

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 October 2002 (10.10.2002)

PCT

(10) International Publication Number
WO 02/080195 A1

(51) International Patent Classification⁷: **H01B 1/04**,
1/12, C01B 31/02

(74) Agent: **SIEGELL, Barbara, C.**; E.I. Dupont De Nemours
and Company, Legal Patent Records Center, 4417 Lan-
caster Pike, Wilmington, DE 19805 (US).

(21) International Application Number: **PCT/US02/05486**

(22) International Filing Date: 12 February 2002 (12.02.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/269,536 16 February 2001 (16.02.2001) US

(71) Applicant (for all designated States except US): **E.I.
DUPONT DE NEMOURS AND COMPANY [US/US]**;
4417 Lancaster Pike, Wilmington, DE 19805 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BLANCHET-
FINCHER, Graciela, Beatriz [US/US]**; 8 Pheasant Ridge
South, Greenville, DE 19807 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VN, YU, ZA, ZM, ZW.

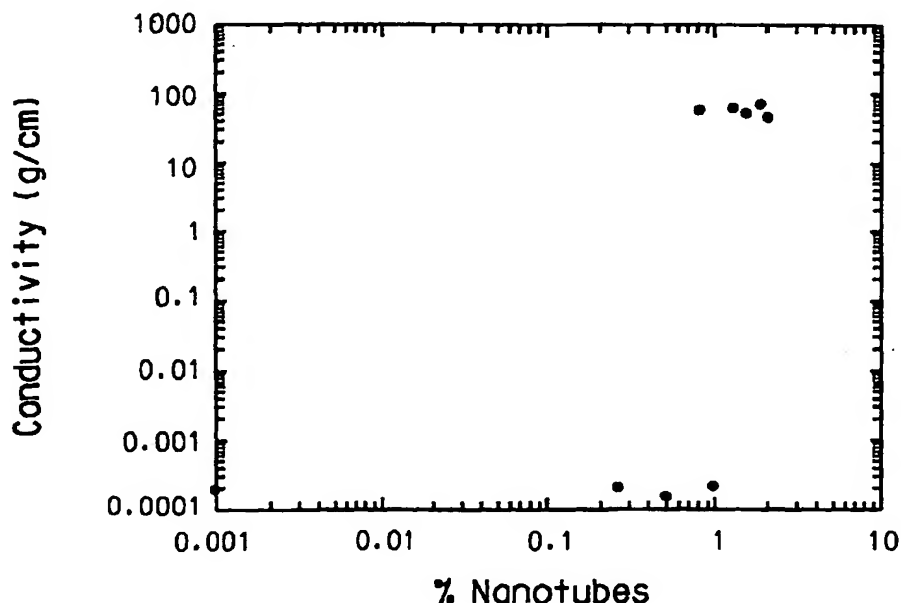
(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR,
GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: **HIGH CONDUCTIVITY POLYANILINE COMPOSITIONS AND USES THEREFOR**



(57) Abstract: The present invention describes compositions formed from polyaniline and carbon nanotubes, which exhibit enhanced conductivity and which provide uses in electronic circuit applications.

WO 02/080195 A1